

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L11	193	703/1.ccls. and @pd>"20080720"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/02/23 15:47
L12	24	(design with knowledge with capture) and @pd>"20080720"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/02/23 16:16
L13	1	(design with rationale with capture) and @pd>"20080720"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/02/23 16:20


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Capturing design rationale in concurrent engineering teams- ► [mit.edu](#) [PDF]

M Klein - Computer, 1993 - [ieeexplore.ieee.org](#)

... Intensified global competition and increasingly complex artifacts are making it more critical to **capture** the **design rationale** in a highly usable form. ...

[Cited by 123](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - All 6 versions

A Survey of Design Rationale Systems: Approaches, Representation, Capture and Retrieval-

► [drexel.edu](#) [PDF]

WC Regli, X Hu, M Atwood, W Sun - Engineering with Computers, 2000 - Springer

... Further, we attempt to abstract the place of systems and tools for **design rationale capture** and retrieval in the context of contemporary knowledge-based ...

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[PS] ► **Design Rationale Capture as Knowledge Acquisition: Tradeoffs in the Design of Interactive Tools**

TR Gruber, Stanford University - 1991 - [ksl.stanford.edu](#)

... Report No. KSL 91-47 **Design Rationale Capture as Knowledge ... 1 Design Rationale Capture as Knowledge Acquisition: Tradeoffs in the Design of Interactive Tools ...**

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What's in Design Rationale?

J Lee, KY Lai - Human-Computer Interaction, 1991 - Lawrence Erlbaum

... and Conklin (1990) describes logical as well as historical aspects of **design rationale**, as we ... record only because one of their goals is to **capture** and document ...

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[BOOK] **Design rationale: concepts, techniques, and use**

TP Moran, JM Carroll

[Cited by 325](#) - [Related articles](#) - [Web Search](#) - [Library Search](#) - All 3 versions

[CITATION] **Design Rationale Capture and Use**

J Lee - AI Magazine, 1993

[Cited by 19](#) - [Related articles](#) - [Web Search](#)

An empirical evaluation of design rationale documents- ► [acm.org](#) [HTML]

L Karsenty - Proceedings of the SIGCHI conference on Human factors in ..., 1996 - [portal.acm.org](#)

... 2. Boose, JH, Bradshaw, J., and Shema DB Knowledge-based **Design Rationale Capture: Automating Engineering Trade Studies**. In: Green ...

[Cited by 84](#) - [Related articles](#) - [Web Search](#) - All 5 versions

Design Rationale Systems: Understanding the Issues

J Lee - IEEE EXPERT, 1997 - [doi.ieeecomputersociety.org](#)

... survey of major existing **design rationale** systems and discussions with workshop participants, including those in the 1992 AAAI **Design Rationale Capture and Use ...**

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A Process-Oriented Approach to Design Rationale

EJ Conklin, KCB Yakemovic - Human-Computer Interaction, 1991 - informaworld.com
... been resolved). Mostow (1985) described an approach to **design** in which A1 techniques
are used to **capture** and structure the **design rationale**. ...

Cited by 238 - Related articles - Web Search - All 5 versions

[PDF] ► Argumentation-based design rationale: what use at what cost

SB Shum, N Hammond - International Journal of Human-Computer Studies, 1994 - kmi.open.ac.uk
... between notations lie in the constructs chosen to **capture** arguments, which ... **Design
rationale** approaches need to demonstrate their utility, both for those who ...

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Key authors: **J Lee** - **E Conklin** - **T Moran** - **M Klein** - **J Carroll**

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[CITATION] Knowledge-based design rationale capture: Automating engineering trade studies

 JH Boose, JM Bradshaw, DB Shema - **Knowledge-Aided Design**, 1992

 Cited by 8 - [Related articles](#) - [Web Search](#)
[PDF] ► Exploiting architectural design knowledge to support self-repairing systems

B Schmerl, D Garian - ACM International Conference Proceeding Series, 2002 - cs.cmu.edu

 ... toolset we have modified our existing **design-time tools** to observe and analyze the architecture, and developed new tools to **capture the knowledge** particular to ...

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[Integrated Analysis and Design of Knowledge Systems and Processes- ► navy.mil \[PDF\]](#)

 M Nissen, M Kamel, K Sengupta - **Knowledge Management and Virtual Organizations**, 2000 - books.google.com

 ... Page 228. Integrated Analysis and Design of Knowledge Systems 217 moving into **knowledge capture** and formalization, and then system **design** and implementation. ...

 Cited by 111 - [Related articles](#) - [Web Search](#) - [BL Direct](#) - All 17 versions

[Seeding, evolutionary growth and reseeded: supporting the incremental development of design...](#)

G Fischer, R McCall, J Ostwald, B Reeves, F ... - Proceedings of the SIGCHI conference on Human factors in ..., 1994 - portal.acm.org

 ... domains complete coverage is not possible. Therefore, the seed is explicitly designed to **capture design knowledge** during use [10]. ...

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[PDF] ► Successful knowledge management projects

TH Davenport, DW De Long, MC Beers - Sloan Management Review, 1998 - njit.edu

 ... drew heavily from the firm's centralized **knowledge** centers, accessing previous presentations to other clients, process and system **design** specifications, work ...

 Cited by 1241 - [Related articles](#) - [Web Search](#) - All 9 versions

[Design Repositories: Engineering Design's New Knowledge Base](#)

S Szykman, RD Sriram, C Bochenek, JW Racz, J ... - IEEE INTELLIGENT SYSTEMS, 2000 - doi.ieee.org

 Engineers are increasingly turning to **design** repositories as **knowledge** bases to help them represent, **capture**, share, and reuse corporate **design knowledge**. ...

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[A Survey of Design Rationale Systems: Approaches, Representation, Capture and Retrieval-](#)
[► drexel.edu \[PDF\]](#)

WC Regli, X Hu, M Atwood, W Sun - Engineering with Computers, 2000 - Springer

 ... Keywords: **Design** history; **Design** intent; **Design** rationale **capture**; Engineering **design** process; **Knowledge** management; Software **design**; User interface **design** ...

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[A Design Theory for Systems That Support Emergent Knowledge Processes](#)

ML Markus, A Majchrzak - MIS Quarterly, 2002 - jstor.org

 ... Keywords: IS **design** theory, IS development, emergent **knowledge** process, **knowledge** management ISRL Categories: AH05, AC04, FA, HA, HD Introduction ...

Cited by 251 - Web Search - BL Direct

Toward a knowledge medium for collaborative product development

TR Gruber, JM Tenenbaum, JC Weber - Artificial Intelligence in Design '92. Boston: Kluwer ..., 1992 - tools.org
... The target services include **design knowledge capture**, dynamic notation of **design** changes, and active management of **design** dependencies. ...

Cited by 57 - Related articles - View as HTML - Web Search - Library Search - All 7 versions

Knowledge-based product development using XML and KCs

M REZAYAT - Computer-aided design, 2000 - cat.inist.fr

... are in the process of creating a distributed **design** and manufacturing ... of IP 3 D.
To reuse the **knowledge**, however, we must first **capture** and maintain it in a ...

Cited by 131 - Related articles - Web Search - BL Direct - All 6 versions

Key authors: **G Fischer** - **T Gruber** - **T Davenport** - **J Tenenbaum** - **M Maher**

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[CITATION] Facilitating tacit **knowledge capture** and reuse in conceptual **design** activities
 S Yen, R Fruchter, L Leifer - Proc. ASME **Design Theory and Methodology Conference, DETC99/** ..., 1999
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[PDF] ► [Exploiting architectural **design knowledge** to support self-repairing systems](#)
 B Schmerl, D Garlan - ACM International Conference Proceeding Series, 2002 - cs.cmu.edu
 ... toolset we have modified our existing **design-time** tools to observe and analyze the
 architecture, and developed new tools to **capture the knowledge** particular to ...
 Cited by 79 - Related articles - View as HTML - Web Search - All 7 versions

[Integrated Analysis and Design of Knowledge Systems and Processes](#)- ► navy.mil [PDF]
 M Nissen, M Kamel, K Sengupta - **Knowledge Management and Virtual Organizations**, 2000 - books.google.com
 ... Page 228. Integrated Analysis and **Design of Knowledge** Systems 217 moving into **knowledge**
capture and formalization, and then system **design** and implemen-tation. ...
 Cited by 111 - Related articles - Web Search - BL Direct - All 17 versions

[Web-Based Knowledge Management for Distributed Design](#)
 NHM Caldwell, PJ Clarkson, PA Rodgers, AP Huxor - IEEE INTELLIGENT SYSTEMS, 2000 - doi.ieeeecs.org
 ... Back to Top. System Examples. WebCADET operates in three distinct modes:
design guidance, **knowledge** viewing, and **knowledge capture**. ...
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[Sketching for knowledge capture: a progress report](#)- ► northwestern.edu [PDF]
 KD Forbus, J Usher - Proceedings of the 7th international conference on ..., 2002 - portal.acm.org
 ... In interaction flexibility, because we are, through the **design** of the ... However, for
 the task of **knowledge capture**, these additional requirements are especially ...
 Cited by 51 - Related articles - Web Search - Library Search - All 13 versions

[A design knowledge management system to support collaborative information product evolution](#)
 A Tiwana, B Ramesh - Decision Support Systems, 2001 - Elsevier
 ... Elsevier Science BV All rights reserved. A **design knowledge** management system
 to support collaborative information product evolution. ...
 Cited by 49 - Related articles - Web Search - All 5 versions

[Design Repositories: Engineering Design's New Knowledge Base](#)
 S Szykman, RD Sriram, C Bochenek, JW Racz, J ... - IEEE INTELLIGENT SYSTEMS, 2000 - doi.ieeeecs.org
 Engineers are increasingly turning to **design** repositories as **knowledge** bases to
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[PDF] ► [Managing, mapping, and manipulating conceptual knowledge](#)
 A Cañas, D Leake, D Wilson - ... on Exploring Synergies of **Knowledge Management** and Case- ..., 1999 -
 fihmc.net
 ... different experts conceptualize **designs** very differently. This has resulted
 in a push to **capture design knowledge** in the form of CMaps. ...
 Cited by 43 - Related articles - View as HTML - Web Search - All 14 versions

[A Survey of Design Rationale Systems: Approaches, Representation, Capture and Retrieval-](#)[►drexel.edu](#) [PDF]

WC Regli, X Hu, M Atwood, W Sun - Engineering with Computers, 2000 - Springer

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